

JD4 Engine

63 – 120 kW (84 – 161 hp)



JOHN DEERE

Up and coming

Engine performance.

New to the John Deere engine lineup, the JD4 provides up to 120 kW (161 hp) of power. It features a rear gear train that offers customers **low noise and higher PTO power**. The engine also has an extended single turbo range and provides 700 Nm (516 lb-ft) of maximum torque for improved high-load capacity and productivity.

Reliability and uptime.

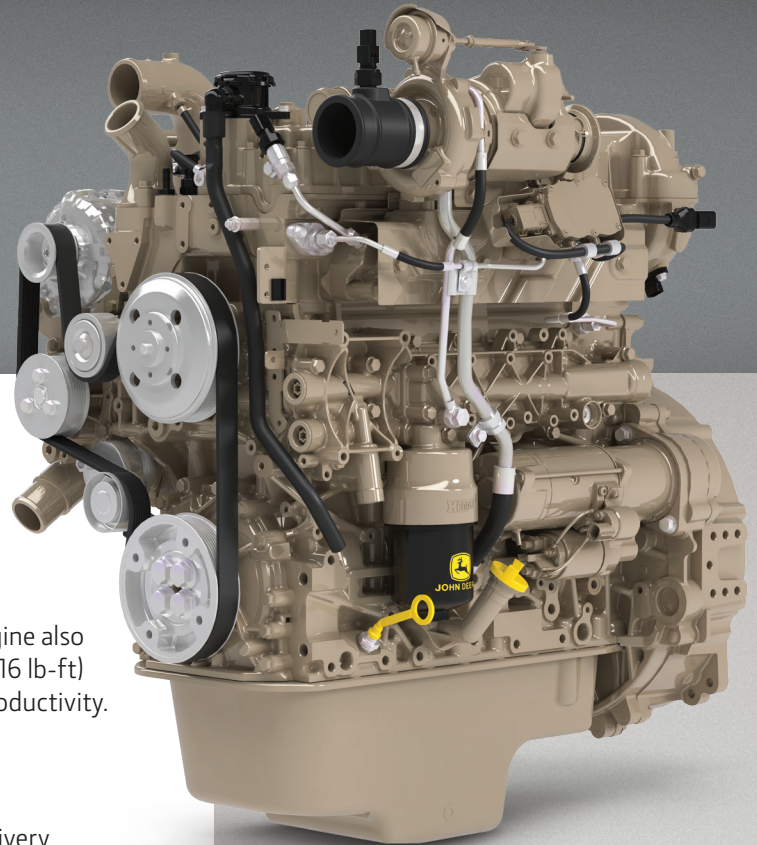
The JD4 offers a more reliable diesel exhaust fluid (DEF) delivery system. The engine also features **extended fluid service intervals of 750 hours (1,000 hours possible)**, reducing maintenance costs for customers. Hydraulic lash adjusters decrease valve wear and eliminate valve lash maintenance.

Increased auxiliary power.

The JD4 engine offers up to two auxiliary drive pads, providing **three times more available auxiliary power**. This additional power allows flexibility and enables off-boarding for electrification and hybrid applications.

Worldwide emissions compatibility.

The JD4 will be **compatible with EU Stage IIIA – Stage V emissions** levels through common interfaces. The engine is low-NOx-ready with planned external cooled exhaust gas recirculation (EGR) and a single overhead cam shaft valvetrain. The JD4 engine is also **compliant with U.S. EPA Final Tier 4 and EU Stage V with no EGR**.



Customer value.

The JD4 offers a **low purchase price and integration cost**, with performance benefits that contribute to overall customer value.

Compact engine package.

The JD4 features a **20% to 30% reduction in package size** and a more than **100 kg (220 lb) reduction in weight** compared to the John Deere 4.5L single turbo engine. This compact design gives customers improved visibility and fuel efficiency.

JD4	
Performance data	
Rated power	63 – 120 kW (84 – 161 hp)
Rated speed	2200 rpm
Peak torque	700 Nm (516 lb-ft) @ 1400 – 1500 rpm
Low idle	800 – 1000 rpm
Off-level capability	35°/45°
Service interval	750 hours minimum
General data	
Type	4-cylinder, in-line, 2-valve
Bore & stroke	99 x 128 mm (3.9 x 5.0 in)
Fuel system	Electronic high-pressure common-rail (HPCR)
Aspiration	Turbocharged, air-to-air aftercooled
Turbo	Wastegate
EGR	External cooled exhaust gas recirculation (EGR) (Stage III A/Tier 3 only)
Dimensions (L x W x H)	700 x 680 x 810 mm (28 x 27 x 32 in)
Weight	< 460 kg (< 1,014 lb)
Emissions level	EU Stage IIIA – Stage V, EPA Final Tier 4

*Preliminary information. Specifications are subject to change.
Dimensions may vary based on options selected.*

This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include finance, credit, insurance, product options and accessories NOT AVAILABLE in all regions. PLEASE CONTACT YOUR LOCAL AUTHORIZED JOHN DEERE DEALER OR DISTRIBUTOR FOR DETAILS. John Deere reserves the right to change specification, design and price of the products described in this literature without notice. John Deere's green and yellow color schemes, the leaping deer symbol, and JOHN DEERE are trademarks of Deere & Company.



JOHN DEERE

